

PTFE Hose - SB6S

Smoothbore PTFE

Part No.: SB6S

Construction: Smoothbore

Profile: Medium Flexibility / Medium Pressure

Tube Available: PTFE Virgin / Anti-static Inner Tube

Braid Available: 316 / 304 Stainless Steel

Size Available: 1/8" - 1 1/8"

Temperature: -70°C to 260°C

	Low	Med	High
Flexibility			
Cycle Life			
Pressure Rating			
Chemical Resistance			
Wall Thickness			

Construction

Use: The inner hose core is manufactured from PTFE. No pigments or additives are incorporated, thus giving the hose liner a translucent appearance free from any contamination.

Standards: USP Class VI compliance PTFE resin used in tubing, FDA Approved, Accepted by the U.S. Coast Guard, PTFE Perfluorocarbon Resins meets FDA 21 CFR 177.1550 ISO 1402 – Rubber and plastic hose and assemblies – hydrostatic testing SAE J517 – Dimensional and performance Specification SAE 100R14 – PTFE Dimensional and performance Specification

Sintered/Permeation:

Slow Sintered (medium level of permeation)



Specifications

Temperature Correction Factor													
-60	-40	-20	0	20	50	100	120	150	180	200	220	250	260
1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.93	.85	0.85	0.77	0.77	0.70

Part Number	Size	Internal Diameter (mm)		Wall Thickness	Outside Diameter (mm)		Min. Bend Radius	SAE 100R14 Max. Working Pressure		SAE 100R14 Burst Pressure 4:1		Vacuum
316 Braid	Inch	Min.	Max.	mm	Min.	Max.	mm	kPa	Bar	kPa	Bar	mm hg
SB6S-03-R14	1/8"	3.3	3.5	0.76	5.84	6.35	38	20700	207	82800	828	711.20
SB6S-04-R14	3/16"	4.64	5.2	0.76	7.32	8.2	51	20700	207	82800	828	711.20
SB6S-06-R14	1/4"	6.17	6.73	0.76	8.92	9.47	76	18098	180	72392	723	711.20
SB6S-08-R14	5/16"	7.54	8.38	0.76	10.36	11.63	102	17236	172	68944	689	711.20
SB6S-10-R14	3/8"	9.27	9.77	0.76	12.2	13.21	127	15513	155	62052	620	711.20
SB6S-11-R14	13/32"	10.08	10.85	0.76	13.03	14.19	133	13789	137	55156	551	711.20
SB6S-12-R14	1/2"	12.42	13.18	0.76	15.44	16.71	165	10342	103	41368	413	711.20
SB6S-15-R14	5/8"	15.36	16.38	0.76	18.74	20.02	197	8618	86	34472	344	711.20
SB6S-20-R14	3/4"	18.61	19.38	0.89	21.59	22.86	229	7584	75	30336	303	508.00
SB6S-22-R14	7/8"	21.46	23.0	0.89	24.60	26.90	229	6894	68	27576	275	355.59
SB6S-25-R14	1"	24.63	26.16	0.89	27.80	29.85	305	6205	62	24820	248	355.59
SB6S-28-R14	1 1/8"	27.80	28.34	1.14	31.95	33.50	406	5171	51	20684	206	355.59

* Please note that Hoseflex PTFE HOSE meets and exceeds the stated working and burst pressure (4:1) values of the SAE 100R14 specifications.

* Please note all pressures stated are static

Applications

